

ABSTRACT OF THE DISCLOSURE

An image recording medium includes: a support which is transparent to radiation for use in recording, and resistant to shock; a wavelength conversion layer which contains an organic binder and a fluorescent material which converts the radiation into visible light; a first electrode layer which is transparent to the visible light; a recording-side photoconductive layer which exhibits photoconductivity when the recording-side photoconductive layer is exposed to the visible light; a charge storage region which stores electric charges which are generated in the recording-side photoconductive layer in response to exposure to the visible light; a reading-side photoconductive layer which exhibits photoconductivity when the reading-side photoconductive layer is exposed to reading light; and a second electrode layer which is transparent to the reading light.